

28
Jan 08

X - R A Y S O L A R F L A R E S

JANUARY 2008

Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Dur Day (Min)	Imp Xray	Total Integrated Flux(1)	Total Area(2)	Total(3) Intensity
GOES	01	0007	0026	0037					30	B 7.0	9.1E-04		
GOES		0210	0215	0220					10	B 2.4	1.0E-04		
GOES		0431	0448	0532					61	B 3.6	1.0E-03		
GOES		0627	0634	0645					18	B 4.2	3.3E-04		
GOES		0859	0907	0918					19	B 2.8	2.5E-04		
GOES		1117	1123	1128					11	B 2.2	1.1E-04		
GOES		1248	1257	1309					21	B 1.5	1.6E-04		
GOES		1357	1403	1418					21	B 3.5	3.4E-04		
GOES		1530	1537	1546	S09	E72	10980		16	C 1.1	6.9E-04		
GOES	02	0651	1000	1123					272	C 1.2	9.1E-03		
GOES	04	0305	0312	0319					14	B 1.8	1.2E-04		
GOES	07	0226	0234	0245					19	B 1.2	1.2E-04		
GOES		1449	1527	1556	S08	W02	10980		67	C 1.4	3.4E-03		
GOES	29	1728	1734	1743			10982		15	B 1.2	9.5E-05		
GOES	30	1821	1846	1900					39	B 3.0	4.1E-05		

Note 1: Total integrated flux computed from the event start time to end if available (units=J/m*2).

Note 2: Total area is derived from SXI imagery in units of squared arc seconds of the largest flaring area.

Note 3: Total intensity is derived from SXI imagery in units of data numbers/second of the largest flaring area.

=====

TABLE FORMAT CHANGE: Data are from the GOES full disk xray monitor supplemented with Solar Xray Imager (SXI) from January, 2004, to April 12, 2007. Positions, areas, and intensities are taken from SXI imagery using the largest flare event on the disk. Only the largest event is selected during multiple flares on the disk.

IMPORTANT NOTE: The xray sensor on GOES 12 was turned off on April 12, 2007, at 2250UT. The GOES SXI instrument is also inoperative. GOES 11 is now primary with GOES 10 backup for xray data. Effective April 13, 2007, xray flare locations will be determined by optical flare reports. Xray event times will still be from the xray data.